MATI-239US

10/575178 IAP20 Rec'd PCT/PTO 07 paper 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To Be Assigned

Applicant:

Shaomin Samuel Mo

Filed:

Herewith

Title:

ULTRA WIDEBAND SCRAMBLER FOR REDUCING POWER SPECTRAL

DENSITY

TC/A.U.: Examiner:

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a (and/or PTO/SB/08b) form submitted herewith. A copy of the reference(s) listed on the PTO/SB/08a (and/or PTO/SB/08b) form, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The references on the PTO/SB/08a and PTO/SB/08b was cited by a foreign patent office in a counterpart foreign application. A copy of this English language search report, indicating the degree of relevance determined by the foreign patent office is submitted herewith. MPEP Section 609(a)iii, second paragraph.

MATI-239US

PATENT

kathleen Libby

JAP20 Rec'd PCT/PTO 07 APR 2006

This Information Disclosure Statement is being filed concurrently with the abovereferenced application.

Respectfully submitted,

Kenneth N. Nigon, Reg. No. 31,549

Attorney for Applicants

KNN/pb

Enclosures: PTO/SB/08a (and/or PTO/SB/08b)

(3) References

Dated: April 7, 2006

P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

P.O. Box 980Valley Forge, PA 19482(610) 407-0700

P.O. Box 1596
Wilmington, DE 19899
(302) 778-2500

EXPRESS MAIL

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450,

PTO/SB/08a (07-05) (TMB 07/2005)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

Complete if Known		
Application Number	To Be Assigned / 5 7 5 1 7 8	
Filing Date	Herewith	
First Named Inventor	Shaomin Samuel Mo	
Art Unit		
Examiner Name		
Attorney Docket No.	MATI-239US	

			U.S. PATENT D	OCUMENTS	
		Document Number			Pages, Columns, Lines, Where
	Cite No.1	Number - Kind Code ^{2 (if known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
		US-5,241,602	08-31-1993	Lee et al.	
		US-2004/0156504 A1	08-12-2004	Mo et al.	-
•		US-			
		US-			
•		US-			
		US-			

		FOREIGN PA	TENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
	1.	WO 2004/080020 A2	09-16-2004	Matsushita Electric Industrial Co., Ltd.		
						
	 					
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Examiner Signature				Date Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Complete if Known To Be Assigned Application Number INFORMATION DISCLOSURE Herewith Filing Date Shaomin Samuel Mo STATEMENT BY APPLICANT First Named Inventor (Use as many sheets as necessary) Art Unit **Examiner Name** Attorney Docket No. MATI-239US SHEET 2 of 2

	NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²		
	A.	MO, Data Whitening in Base-band to Reduce PSD of UWB Signals, IEEE Standards Association, Online, September 17, 2003, XP001360343 Retrieved from the Internet: <u>URL:http://grouper.ieee.org/groups/802/15/pub/2003/Mar03/03122r1P892-15_TG3a-Panason, ic-CFP-Document.doc, P802.15;</u>			
	В.	MO S. S. et al., Frame Synchronization in UWB Using Multiple SYNC words to Eliminate Line Frequencies, IEEE, vol. 2, March 16, 2003, pgs. 773-778			
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